

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (original) A rubber-modified high impact polystyrene resin composition containing a rubbery polymer, wherein the rubbery polymer is modified polybutadiene obtained by modifying high-cis/high-vinyl polybutadiene in the presence of a transition metal catalyst.

2. (original) The rubber-modified high impact polystyrene resin composition according to claim 1, wherein the high-cis/high-vinyl polybutadiene has a 5 wt% styrene solution viscosity (St-cp; at 25°C) to Mooney viscosity (ML₁₊₄; at 100°C) ratio (St-cp/ML₁₊₄) ranging from 2.0 to 7.0.

3. (original) The rubber-modified high impact polystyrene resin composition according to claim 1, wherein the high-cis/high-vinyl polybutadiene comprises 65 to 95 mol% of a cis-1,4 structure unit and 4 to 30 mol% of a vinyl structure unit.

4. (original) The rubber-modified high impact polystyrene resin composition according to claim 1, wherein the high-cis/high-vinyl polybutadiene is prepared by using a metallocene catalyst.

5. (original) The rubber-modified high impact polystyrene resin composition according to claim 4, wherein the metallocene catalyst comprises (A) a metallocene type complex of a transition metal and (B) at least one of (B1) an ionic compound composed of a non-coordinating anion and a cation and (B2) an aluminoxane.

6. (original) The rubber-modified high impact polystyrene resin composition according to claim 1, wherein the modified polybutadiene has a cold flow rate of less than 20 mg/min.

7. (original) The rubber-modified high impact polystyrene resin composition according to claim 1, wherein the rubbery polymer is present in an amount of 1 to 25% by weight.

8. (original) The rubber-modified high impact polystyrene resin composition according to claim 7, further containing 2 to 60 parts by weight of a flame retardant per 100 parts by weight of the composition.

9. (original) The rubber-modified high impact polystyrene resin composition according to claim 7, further containing 0.001 to 3.0 parts by weight of a peroxide per 100 parts by weight of the composition.

10. (currently amended) The rubber-modified high impact polystyrene resin composition according to claim 1 [[or 7]], wherein the rubbery polymer is rubber particles dispersed in a polystyrene resin, and the rubber particles have a particle size ranging from 0.8 to 3.0 μm .

11. (currently amended) The rubber-modified high impact polystyrene resin composition according to claim 1 [[or 7]], wherein the rubbery polymer is rubber particles dispersed in a polystyrene resin, and the rubber particles have a graft ratio of 200 to 350 and a swelling index of 8 to 15.

12. (currently amended) The rubber-modified high impact polystyrene resin composition according to claim 1 [[or 7]], wherein the modified polybutadiene has a 5 wt% toluene solution viscosity (T-cp; at 25°C) to Mooney viscosity (ML₁₊₄; at 100°C) ratio (T-cp/ML₁₊₄) ranging from 0.5 to 3.5 and a cold flow rate of less than 20 mg/min.

13. (original) The rubber-modified high impact polystyrene resin composition according to claim 12, wherein the modified polybutadiene comprises 65 to 95 mol% of a cis-1,4 structure unit and 4 to 30 mol% of a vinyl structure unit.

14. (original) The rubber-modified high impact polystyrene resin composition according to claim 12, wherein the modified polybutadiene has an intrinsic viscosity of 0.5 to 7.0 measured in toluene at 30°C.

15. (new) The rubber-modified high impact polystyrene resin composition according to claim 7, wherein the rubbery polymer is rubber particles dispersed in a polystyrene resin, and the rubber particles have a particle size ranging from 0.8 to 3.0 μm .

16. (new) The rubber-modified high impact polystyrene resin composition according to claim 7, wherein the rubbery polymer is rubber particles dispersed in a polystyrene resin, and the rubber particles have a graft ratio of 200 to 350 and a swelling index of 8 to 15.

17. (new) The rubber-modified high impact polystyrene resin composition according to claim 7, wherein the modified polybutadiene has a 5 wt% toluene solution viscosity (T-cp; at 25°C) to Mooney viscosity (ML₁₊₄; at 100°C) ratio (T-cp/ML₁₊₄) ranging from 0.5 to 3.5 and a cold flow rate of less than 20 mg/min.